

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12617113		
		Catalog # : 00112OT3E145T-S		
Frame	: 143/5T		Locked rotor time	: 43s (cold) 24s (hot)
Output	: 1 HP (0.75 kW)		Temperature rise	: 80 K
Poles	: 6		Duty cycle	: Cont.(S1)
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V		Altitude	: 1000 m.a.s.l.
Rated current	: 3.30/1.65 A		Cooling method	: IC01 - ODP
L. R. Amperes	: 20.1/10.1 A		Mounting	: F-1
LRC	: 6.1x(Code K)		Rotation <sup>1</sup>	: Both (CW and CCW)
No load current	: 2.26/1.13 A		Noise level <sup>2</sup>	: 50.0 dB(A)
Rated speed	: 1150 rpm		Starting method	: Direct On Line
Slip	: 4.17 %		Approx. weight <sup>3</sup>	: 34.9 lb
Rated torque	: 4.57 ft.lb			
Locked rotor torque	: 250 %			
Breakdown torque	: 300 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 0.1419 sq.ft.lb			
Design	: B			
Output	25%	50%	75%	100%
Efficiency (%)	77.2	80.1	78.5	78.8
	81.5	79.5	82.5	77.3
	76.5	76.6	79.1	78.6
Power Factor	0.26	0.31	0.47	0.55
	0.60	0.69	0.69	0.77
	0.26	0.48	0.62	0.72
Foundation loads				
Max. traction : 114 lb				
Max. compression : 149 lb				
		<u>Drive end</u>	<u>Non drive end</u>	
Bearing type	:	6205 ZZ	6203 ZZ	
Sealing	:	Without Bearing Seal	Without Bearing Seal	
Lubrication interval	:	-	-	
Lubricant amount	:	-	-	
Lubricant type	:	Mobil Polyrex EM		
Notes:				
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
Rev.	Changes Summary		Performed	Checked
Performed by			Page	Revision
Checked by				
Date	27/12/2023			
			1 / 1	